



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 WEST 39TH STREET, NEW YORK

APPLICATION FOR TRANSFER TO THE GRADE OF FELLOW.

QUALIFICATIONS FOR TRANSFER.

The qualifications for transfer to the grade of Fellow are set forth in Article II, Section 4, of the Constitution, which is printed on the last page of this form. Applicants are urged to read these extracts carefully in order that they may have a perfect knowledge of the constitutional requirements.

TRANSFER FEES AND DUES.

Transfer fee from the grade of Associate to that of Fellow, Fifteen (15) dollars.

Transfer fee from the grade of Member to that of Fellow, Five (5) dollars.

The annual dues for the grade of Fellow are Twenty (20) dollars.

REFERENCES.

Sec. 10 (Constitution). Applicants shall give references as follows:

For the grade of Fellow, to five Fellows.

Should an applicant for the grade of Fellow, either for direct admission or for transfer, certify that he is not personally known by five Fellows, the Board of Examiners may accept, in place thereof, references to five professional engineers of standing.

References should be selected who have personal knowledge of the applicant's electrical engineering experience.

As references occasionally fail to reply promptly to inquiries, it is suggested that applicants furnish more than the required number of names.

REFERENCES.

John J. Carty	Member	Frederick Bedell
Harold W. Buck		William M. DeLan
Paul M. Lincoln		John B. Taylor
B.A. Behrend		
C.A. Adams		

Applicant's name,
title or occupation,
and business address

Inventor, Business address No. 8 west
40th St., New York Residence Waldorf-Astoria, New York

Date Nov. 17, 1916.

The following information is required by the Board of Examiners. Failure to give details will delay action on the application.

1. Give full name, date and place of birth.
2. Give general and technical education, where and how acquired.
3. State under which clause or clauses, a, b, c, d, of Section 4, Article II, of the Constitution, application is made, and give full record of professional career, with particular reference to the period of responsible charge or the experience upon which the application is based.

clauses a and d.

Dates here	APPLICANT'S RECORD
1857	Born Smiljan, Lika, border county of Austria-Hungary
1873	Graduated Higher Realschule, Carlstadt, Croatia
1873-7	Polytechnic School Graz, - mathematics and physics
1877-9	Univ. of Prague, Bohemia, Philosophical studies Degrees: M.A. Yale 1894, LL.D. Columbia Univ. 1894, D.Sc. Vienne Polytechnic.
1881	Began practical career at Budapest, Hungary, where was made his first electrical invention - a telephone repeater, and where was conceived the idea of the rotating magnetic field; later engaged in various branches of engineering in France and Germany.
1884	Came to the United States, of which he is a naturalized citizen
1886	Invented system of arc lighting
1888	Invented the Tesla motor and system of alternating-current transmission, two-phase and three phase.
1889	Invented system of electrical conversion and distribution by oscillatory discharges
1890	Invented generator of high-frequency currents
1891	Invented system of transmitting energy over a single wire without return.
1891-3	Invented the Tesla coil or transformer Investigated high-frequency effects and phenomena.

Dates
here

Applicant's Record (continued)

- 1893 Invented system of wireless transmission of intelligence
- 1894-5 Invented mechanical oscillators and generators of electrical oscillations
- 1896-8 researches and discoveries in radiations material streams and emanations
- 1897 Invented high-potential magnifying transmitter
- 1897-1905 Invention and development of a system of transmitting energy without wires
1898. Invention of a system of transmitting energy with minimum loss by refrigeration.
- 1901-2 Invention of system for magnifying feeble effects
- To present - Most important recent work discovery of a new mechanical principle which has been embodied in a variety of machines such as reversible gas and steam turbines, pumps, blowers, air compressors, etc, having a greatly increased output per unit weight as compared with any other form of machine for like service.

Nikola Tesla.

8 W. 40 St.

Consulting Engineer
and Electrician

Waldorf Astoria,
New York.

(signed)

Nikola Tesla

NOTE: The Applicant's personal signature, in ink, must appear at the end of this record.

If not sufficient space, the record may be continued on separate sheets of this size.

EXTRACTS FROM CONSTITUTION.

Qualifications for grade of Fellow.

SEC. 4. A Fellow shall not be less than thirty-two years of age and shall be either:

a. An electrical engineer by profession. As such he shall be qualified to design and to take responsible charge of important electrical work; he shall have been in the active practice of his profession for at least ten years, and shall have had responsible charge of important electrical work for at least three years.

When the applicant holds in a principal national society of an allied branch of engineering, membership of a grade for which the qualifications indicate a standing equal to that required for the grade of Fellow herein, such membership shall be considered equivalent to five of the requisite ten years of active practice of the electrical profession.

b. A professor of electrical engineering or of electrical science. As such he shall have attained special distinction as an expounder of the principles of electrical science and of electrical engineering; he shall have had at least ten years' experience as a teacher of electrical subjects, and shall have had responsible charge for three years, in an electrical course of a principal school of engineering. Any years of experience as defined in paragraph "a" that the applicant may have had as an electrical engineer shall be considered the equivalent of the same number of years of experience as a "teacher of electrical subjects."

c. A person who has done notable original work in electrical science of a character to give him a recognized standing equivalent to that required for Fellows under paragraphs "a" and "b."

d. A person regularly engaged in electrical work for at least ten years, who, by inventions or by special proficiency in contributions to electrical science or the electrical arts or electrical literature, has attained a standing equivalent to that required for Fellows under paragraphs "a" and "b."

Certification of inability to refer to Fellows.

SEC. 10. Should an applicant for the grade of Fellow, either for direct admission or for transfer, certify that he is not personally known by five Fellows, the Board of Examiners may accept, in place thereof, references to five professional engineers of standing.

Foreign Applications

SEC. 12. The reference to Fellows to whom an applicant is personally known may be waived in case of foreign applications; but the applicant shall in that case refer to at least two professional engineers of recognized standing.

EXTRACTS FROM BY-LAWS.

Form of application and professional record of applicant.

SEC. 2. All applications for admission to the Institute or for transfer to a higher grade shall be made in a form approved by the Board of Directors, and shall embody a full record of the general technical education of the applicant and of his professional career. They shall refer to the required number of members of the grades specified in Article III, Section 10, of the Constitution. Each of these references shall be requested to fill out a prescribed confidential form, for consideration by the Board of Examiners.

Replies of references before consideration.

SEC. 2a. No application for admission or transfer shall be considered until the number of favorable replies prescribed in the Constitution is received. In the event of failure to receive replies, or the receipt of unfavorable replies, the Secretary may call upon the applicant to furnish additional names.

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

Record of Application for

TRANSFER TO THE GRADE OF FELLOW

2871

~~Under Special Section~~

No. 2888

Name Nikola Tesla,

Address 8 W. 40th Street,

New York, N. Y.

REFERENCES

Second Request	Communicated With	Grade	Replies Received
	November 24, 1916, John J. Carty,	Fellow	FEB - 2 1917
2	" " Harold W. Buck	"	DEC 1 2 1916
"	" " B. A. Behrend,	"	DEC 1 2 1916
"	" " C. A. Adams,	"	DEC 1 2 1916
"	" " William McClellan	"	DEC 2 3 1916
"	" " John B. Taylor,	"	
"	" " Frederick Bedell,	Member	DEC 1 2 1916
"	" " Paul M. Lincoln	Fellow	DEC 1 2 1916

Action by Board of Examiners *Recommended*

Date JAN - 4 1917

Action by Board of Directors

Date



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 WEST 39TH STREET, NEW YORK

EXTRACTS FROM CONSTITUTION

November 24, 1916. 191

Mr. J. J. Carty,
195 Broadway,
New York, N. Y.

Fellow

Dear Sir:

A & D

An application for transfer to the grade of **FELLOW** in this Institute, under Clause(s).....of Sec. 4 of the Constitution (see back of this form), has been filed by

Nikola Tesla, Inventor,
8 W. 40th Street,
New York, N. Y.

who has referred to you as having personal knowledge of his qualifications and experience.

For the confidential information of the Board of Examiners will you kindly reply to the following inquiries?

Very truly yours,

J. L. Hutchinson

Secretary.

For how long have you personally known the applicant?

25 years

Kindly state instances within your personal knowledge of work performed by the applicant and your opinion of same.

Invention of the Induction Motor.

Date

Signed

J. J. Carty Fellow

In order to avoid unnecessary delay in considering this case, please return this form at your earliest convenience.



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 WEST 39TH STREET, NEW YORK



November 24, 1916. 191

Mr. H. W. Buck,
49 Wall Street,
New York, N. Y.

Dear Sir:

A & D

An application for transfer to the grade of **FELLOW** in this Institute, under Clause(s)..... of Sec. 4 of the Constitution (see back of this form), has been filed by

Nikola Tesla, Inventor,
8 W. 40th Street,
New York, N. Y.

who has referred to you as having personal knowledge of his qualifications and experience.

For the confidential information of the Board of Examiners will you kindly reply to the following inquiries?

Very truly yours,

J. L. Hutchinson

Secretary.

For how long have you personally known the applicant?

15 years

Kindly state instances within your personal knowledge of work performed by the applicant and your opinion of same.

I consider him qualified as a Fellow without any question

Date

Signed

H. W. Buck Fellow

In order to avoid unnecessary delay in considering this case, please return this form at your earliest convenience.



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 WEST 39TH STREET, NEW YORK

November 24, 1916. 191



Mr. Paul M. Lincoln,
W. E. & M. Co.,
E. Pittsburgh, Pa.

Dear Sir:

A & D

An application for transfer to the grade of **FELLOW** in this Institute, under Clause(s).....of Sec. 4 of the Constitution (see back of this form), has been filed by
Nikola Tesla, Inventor,
8 W. 40th Street,
New York, N. Y.

who has referred to you as having personal knowledge of his qualifications and experience.

For the confidential information of the Board of Examiners will you kindly reply to the following inquiries?

Very truly yours,

J. L. Hutchinson

Secretary.

For how long have you personally known the applicant?

About twenty years.

Kindly state instances within your personal knowledge of work performed by the applicant and your opinion of same.

His work on polyphase alternating currents is known and recognized the world over as original work of the highest order.

Date *Nov 25 1916* Signed

Paul M. Lincoln

Fellow

In order to avoid unnecessary delay in considering this case, please return this form at your earliest convenience.



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

93 WEST 39TH STREET, NEW YORK



November 24, 1916.

191

Mr. B. A. Behrend, Fellow
200 Devonshire Street,
Boston, Mass.

Dear Sir:

A & D

An application for transfer to the grade of **FELLOW** in this Institute, under Clause (s).....of Sec. 4 of the Constitution (see back of this form), has been filed by

Nikola Tesla, Inventor,
8 W. 40th Street,
New York, N. Y.

~~who has referred to you as having personal knowledge of his qualifications and experience.~~

For the confidential information of the Board of Examiners will you kindly reply to the following inquiries?

Very truly yours,

F. L. Hutchinson

Secretary.

For how long have you personally known the applicant?

About 18 years

Kindly state instances within your personal knowledge of work performed by the applicant and your opinion of same:

The inventor of the induction motor

polyphase systems

High tension + high frequency phenomena

Date *Nov 25 1916* Signed

B. A. Behrend

Fellow

In order to avoid unnecessary delay in considering this case, please return this form at your earliest convenience.



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 WEST 39TH STREET, NEW YORK



November 24, 1916.

Fellow

Mr. C. A. Adams,
Harvard University,
Cambridge, Mass.

Dear Sir:

A & D

An application for transfer to the grade of **FELLOW** in this Institute, under Clause(s)..... of Sec. 4 of the Constitution (see back of this form), has been filed by

Nikola Tesla, Inventor,
8 W. 40th Street,
New York, N. Y.

who has referred to you as having personal knowledge of his qualifications and experience.

For the confidential information of the Board of Examiners will you kindly reply to the following inquiries?

Very truly yours,

J. L. Hutchinson

Secretary.

For how long have you personally known the applicant?

20 years

Kindly state instances within your personal knowledge of work performed by the applicant and your opinion of same.

Early work in connection with the distribution of power

High frequency alternating currents

Original and inventive work

Date..... Signed *C. A. Adams* Fellow

In order to avoid unnecessary delay in considering this case, please return this form at your earliest convenience.



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 WEST 39TH STREET, NEW YORK



November 24, 1916. 191

Mr. Frederick Bedell, Member
Cornell University,
Ithaca N. Y.

Dear Sir:

A & D

An application for transfer to the grade of **FELLOW** in this Institute, under Clause(s)..... of Sec. 4 of the Constitution (see back of this form), has been filed by

Nikola Tesla, Inventor,
8 W. 40th Street,
New York, N. Y.

who has referred to you as having personal knowledge of his qualifications and experience.

For the confidential information of the Board of Examiners will you kindly reply to the following inquiries?

Very truly yours,

J. L. Hutchinson

Secretary.

For how long have you personally known the applicant?

25 years

Kindly state instances within your personal knowledge of work performed by the applicant and your opinion of same.

*Inventor of split phase motor etc etc
Contributor to electrical periodicals, investigations
and publications in field of high frequency
currents, oscillating currents etc*

Date *Nov 27/16* Signed *Frederick Bedell* Member

In order to avoid unnecessary delay in considering this case, please return this form at your earliest convenience.



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 WEST 39TH STREET, NEW YORK

November 24, 1916. 191

Fellow



Mr. William McClellan,
25 Church Street,
New York, N. Y.

Dear Sir:

A & D

An application for transfer to the grade of **FELLOW** in this Institute, under Clause(s).....of Sec. 4 of the Constitution (see back of this form), has been filed by

Nikola Tesla, Inventor,
8 W. 40th Street,
New York, N. Y.

who has referred to you as having personal knowledge of his qualifications and experience

For the confidential information of the Board of Examiners will you kindly reply to the following inquiries?

Very truly yours,

F. L. Hutchinson

Secretary.

For how long have you personally known the applicant?

Twenty years

Kindly state instances within your personal knowledge of work performed by the applicant and your opinion of same.

I have not had any intimate relations with Nikola Tesla but I have had ample proof of his very valuable work in connection with electrical engineering, especially during the earlier period of his life. There is no question in my mind that not only does he satisfy all conditions of the Constitution for a Fellowship in the American Institute of Electrical Engineers but that he is pre-eminently fitted for it.

Date December 19th, 1916 Signed

Wm McClellan

Fellow

In order to avoid unnecessary delay in considering this case, please return this form at your earliest convenience.